

APPARATUS AND METHOD FOR TRACE  
STREAM IDENTIFICATION OF MULTIPLE  
TARGET PROCESSOR EVENTS

**Abstract of the Invention**

1 When a plurality of simultaneous, preselected target  
2 processor events are detected, a multiple-event sync marker  
3 is generated that identifies the preselected events and  
4 relates the occurrence of these events to timing trace  
5 stream. The sync marker for the plurality of preselected  
6 events differs from a single event sync marker by including  
7 at least one additional packet. The additional packet  
8 includes logic signals stored at locations related to each  
9 identified event.